

correspond to different locations on the character in the representation of the character in the bit map;

based on a percentage of bits that are on in respective portions of the bit map, determining luminances for corresponding pixels; and

displaying the character in the region having the particular number of pixels, the pixels being displayed with the determined luminances.

16. (Amended) A system for displaying a character, the character to be displayed within a region of a display having a particular number of pixels, the system comprising:

logic that renders a bit map corresponding to a vector representation of the character;

logic that causes the logic that renders to render a bit map having a number of bits, the number of bits greater than the particular number of pixels, wherein various bits in a respective portion of the bit map corresponding to a pixel correspond to different locations on the character in the bit map;

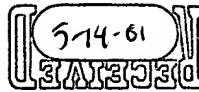
logic that, based on a percentage of bits that are on in respective portions of the bit map, determines luminances for corresponding pixels; and

logic that causes the character to be displayed in the region having the particular number of pixels, the pixels having the determined luminances.

30. (Amended) A method for displaying a shape, the shape to be displayed a particular size on a display, the method comprising:

requesting a bit map rendering of the shape in which the shape has a size larger than the particular size, wherein various portions of the bit map corresponding to a pixel correspond to different locations on the shape in the rendering of the shape in the bit map; based on a percentage of bits that are on in respective portions of the bit map, determining luminances for the corresponding pixels of a rendering of the shape on the display having the particular size; and displaying the shape on the display in the particular size with the pixels the determined luminances.

39. (Amended) A television system comprising:  
electronics for displaying images on a display in response to a television signal; and  
logic for displaying a character, the character to be displayed within a region of the display having a particular number of pixels, the logic comprising:  
logic that renders a bit map corresponding to a vector representation of the character;  
logic that causes the logic that renders to render a bit map having a number of bits, the number of bits greater than the particular number of pixels, wherein various bits in a respective portion of the bit map corresponding to a pixel correspond to different locations on the character in the bit map;  
logic that, based on a percentage of bits that are on in respective portions of the bit map, determines luminances for corresponding pixels; and  
logic that causes the character to be displayed in the region having the



particular number of pixels, the pixels being displayed on the display in response to the determined luminances.

50. (Amended) A computer program product for displaying a character, the character to be displayed within a region of a display having a particular number of pixels, the computer program product comprising:

a computer usable medium having computer readable program code means embodied in the medium, the computer readable program code means having:

computer readable program code means for rendering a bit map corresponding to a vector representation of the character;

computer readable program code means for causing the logic that renders to render a bit map having a number of bits, the number of bits greater than the particular number of pixels, wherein various bits in a respective portion of the bit map corresponding to a pixel correspond to different locations on the character in the bit map;

computer readable program code means for, based on a percentage of bits that are on in respective portions of the bit map, determining luminances for corresponding pixels; and

computer readable program code means for causing the character to be displayed in the region having the particular number of pixels, the pixels having the determined luminances.

56. (Amended) A system for displaying a character, the character to be displayed

within a region of a display having a particular number of pixels, the system comprising:

logic that renders a bit map corresponding to a vector representation of the character;

logic that causes the logic that renders to render a bit map having a number of bits, the number of bits greater than the particular number of pixels, wherein various bits in a respective portion of the bit map corresponding to a pixel correspond to different locations on the character in the bit map;

logic that, based on a percentage of bits that are on in respective portions of the bit map, determines an attribute for corresponding pixels; and

logic that causes the character to be displayed in the region having the particular number of pixels, the pixels being displayed on the display having the determined attributes.

### **REMARKS**

In an Office Action dated March 15, 2001, claim 1 was rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,565,886 ("Gibson") and claims 2-65 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Gibson in view of U.S. Patent No. 5,555,360 ("Kumazaki").

The Examiner's rejections and objections are addressed below.

### **Examiner Interview**

Applicant thanks Examiner Motilewa Good-Johnson and Primary Examiner Jeffery Brier for the courtesy extended to the Applicant in granting the May 3, 2001 and respectively, May 7, 2001, telephonic interviews to discuss the present application. The Examiners have prepared Interview Summaries for the respective interviews.